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## Additions and corrections to checklist (Lobban & N'Yeurt 2006).

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### New Cyanophyta

*Kyrtuthrix maculans* (Gomont) Umezaki. Palau: Ohba (1996).

### New Rhodophyta

[Champia vieillardii](#) Kützinger (new for Guam): specimens found several times in algal mats, e.g., from Dadi Beach, 3/9/03.

[Chroodactylon ornatum](#) (C. Agardh) Basson [= *Asterocystis ornata* (C. Agardh) Hamel] (new for Guam): Single individual photographed on *Tolypothrix* at Orote Point reef flat, 2/19/05.

[Chrysomenia okamurae](#) Yamada et Segawa (cf. Abbott 1999: 230): collected at Dadi fore reef, 1/23/05, –5m; specimen deposited in GUAM-ML.

[Crouania minutissima](#) Yamada (new records for Guam, Yap) Collected on Halodule blades, Wanyaan reef flat, Yap, 3/25/05; single specimen photographed on Guam 2/3/03.

[Crouania](#) sp. cf. Abbott 1999: Collected by Lee Goldman, Jeff Mahon, very deep (–65 m) off Orote Peninsula, 7/31/03. The size of this *Crouania* agrees with Abbott's (1999:294-5) description of a unnamed species, which is much larger than the others in Hawaii. Specimen deposited in GUAM-ML.

[Dasya cf. mollis](#) Harvey (new for Guam): specimens collected at “Coral Gardens,” Agat Bay, 10 m, 2/16/03, appear to be *Dasya* rather than *Heterosiphonia*; no previous records of *Dasya* from Guam.

[Dasya roslyniae](#) Millar & Chidgey in Millar: collected at Double Reef, Guam, –5 m, 5/8/05. Dr. Alan Millar (pers. comm.) examined this material (now deposited at SYD) and concluded that it is a *Dasya* and probably *roslyniae*, although there are some differences.

[Erythrotrichia carnea](#) (Dillwyn) J. Agardh: additional collection 1/16/05 deposited in GUAM-ML replaces photo record listed in Lobban & Tsuda (2003). Filaments, together with *Acrochaetium* sp., forming visible fringe on *Sargassum* blade in drift, Ipan Talofof, Guam.

[Ganonema farinosum](#) (new for Guam) collected Feb. 1991 identified by Dr. I.A. Abbott (pers. comm.); specimen deposited in GUAM-ML. Commonly collected along with several *Liagora* species.

[Gibsmithia dotyi](#) Kraft & Ricker: commonly collected at GabGab reef, Apra Harbor, Guam, e.g., 3/16/03. Identified by G. Kraft (pers. comm.) on the basis of photos. Especially significant in distinguishing this from *Predaea* are the tetrasporangia (none reported for most *Predaea*, except for one report of acrochaetoid tetrasporophyte). There is a very short cartilaginous stalk (again in contrast to *Predaea*). The smooth surface

distinguishes it from *Gibsmithia hawaiiensis*, which is also common in Apra Harbor. *Gracilaria bursa-pastoris* (S. Gmelin) P. Silva. Palau: Ohba (1996).

[\*Haloplegma duperreyi\*](#) Montagne (new record for Yap Islands—previously reported from Ifaluk Atoll, Yap State). “Spanish Wall,” south tip of Yap Island, 3/23/05, ca. –20 m, at the mouth of a small cave; specimen deposited in GUAM-ML.

[\*Nitophyllum adhaerens\*](#) Wynne and [\*Schizoseris bomayensis\*](#) (Børgesen) Womersley [= *Myriogramme bombayensis* Børgesen] (both new for Guam) were found together at GabGab (Apra Harbor), ca. –5m, both in a farmer fish territory among coral (*Porites rus*) branches. Identified by M. Wynne (pers. comm.); specimens deposited at MICH. The cell size and plastids easily distinguish the two species.

*Peyssonnelia caulifera* Okamura. Palau: Ohba (1996).

*Peyssonnelia obscura* Weber-van Bosse. Palau: Ohba (1996).

*Peyssonnelia orientalis* (Weber-van Bosse) Cormaci & Fumari. Palau: Ohba (1996).

[\*Predaea cf. tumescens\*](#) Kraft & Saunders: Collections of highly lobed gelatinous plants were identified by G. Kraft (pers. comm.) on the basis of photos as *Predaea*, probably *P. tumescens* because of the pyramidal gonimocarp and a lack of gland cells. The sterile collection “*P. weldii* 3/15/01” mentioned in the revised checklist was a misidentified *G. dotyi*; we have not seen *P. weldii* in Guam.

[\*Schmitzia\*](#) sp. (Calosiphoniaceae). A specimen collected by Ron Legrande at Gun Beach, Tumon Bay, February 1997, in the shallow subtidal, was recently identified by Dr. Abbott as being in this genus. The genus and the family have not been previously reported from Micronesia. Fragments deposited in HAWAII.

[\*Stylonema alsidii\*](#) (Zanardini) Drew (new for Guam) Several specimens found in floating green algal mat (*Chaetomorpha*, *Boodlea*, etc.) in UOG Marine Lab tank, 3/14/05.

[\*Wrangelia anastomosans\*](#) Yamada: collected at “Spanish Wall,” south tip of Yap Island, 3/23/05, ca. –20 m, flat against substratum; specimen deposited in GUAM-ML. Cortication extended to the apex, suggesting that these specimens are *W. anastomosans* rather than *W. penicillata* (C. Agardh) C. Agardh; the latter is the species presumed to be on Guam but this should be reviewed.

[\*Wrangelia argus\*](#) (Montagne) Montagne (new for Guam and Yap): collections from Tagachang reef 3/30/05 on rock in rim pools and Dadi reef 4/24/05 (Guam) and Wanyaan reef flat 3/25/05 on *Halodule* blades (Yap), have loose corticating filaments and branchlet tips blunt or with single spines. Yap specimen deposited in GUAM-ML

## New Heterokontophyta

*Chrysocystis fragilis* (new record for Yap): observed at “Spanish Wall”, 3/23/05, ca –20m.

*Chrysonephos lewisii* (new record for Yap): observed on Wanyaan reef flat, 3/25/05.

*Dictyota ceylanica* Kützinger: see Tsuda (2004).

*Dictyota alternifida* J. Agardh. Palau: see Tsuda (2002a).

*Dictyota grossedentata* De Clerck & Coppejans: see Tsuda (2004).

[\*Padina cf. boergesenii\*](#) Allender & Kraft: Distinguished from other species of *Padina* on Guam by presence of 3 cells layers. Specimens collected on intertidal reef at Inarajan, 3/21/03, identified by R. Tsuda (pers. comm.), deposited in GUAM-ML.

*Sargassum oligocystum* Montagne: two older records from Palau (see Tsuda 2002a).

## New Chlorophyta

*Caulerpa nummularia* Harvey ex J. Agardh and *C. macrophysa* (Sonder ex Kützinger) G. Murray -- elevated from varietal status (see Abbott & Huisman 2004). Since we did not list varieties, these appear as additions to the flora. *C. nummularia* was reported from Enewetak Atoll by Dawson (1957) (as *C. racemosa* var. *peltata* f. *nummularia*) and from Palau by Ohba (1996). The *Caulerpa racemosa* group (including *lentillifera* and *peltata*) should be reexamined in Guam on the basis of recent monographs.

*Caulerpa opposita* Coppejans & Meinesz. Palau: Ohba (1996).

*Caulerpa selago* (Turner) C. Agardh. Palau: see Tsuda (2002a).

*Caulerpa subserrata* Okamura. Palau: Ohba (1996).

[\*Derbesia\*](#) sp. confirmed for Guam on the basis of fertile specimens found in UOG Marine Laboratory tank, 10/18/04; specimen deposited in GUAM-ML.

[\*Entocladia viridis\*](#) Reinke (new for Guam): specimens photographed growing in the wall of old *Lyngbya bouillonii* filaments, ca. –5 m., Dadi reef, Guam, 1/23/05. (Figure 1f)

*Halimeda minima* (Taylor) Colinvax: new record for Guam (Apra Harbor) in Kooistra & Verbruggen (2005).

[\*Phaeophila dendroides\*](#) (P. & H. Crouan) Batters. Filaments photographed in the sheath of a bundle of *Tolypothrix* trichomes, reef flat, Orote Point, Guam, 2/19/05. (Figure 2b)

[\*Pseudocodium\*](#) sp.: small specimen collected by Lee Goldman, Jeff Mahon from very deep (ca –85 m) off Orote Point, Guam, 5/8/03; specimen sent to Dr. Paul Silva, Berkeley.

[\*Ulothrix\* cf. \*flacca\*](#) (new for Guam) found as epiphyte on *Chaetomorpha* in UOG Marine Laboratory tanks, 3/16/05.

[\*Ulva ralfsii\*](#) (Harvey) Le Jolis (new for Guam), found among *Chaetomorpha* filaments (which it resembles) from East of Ajayan Bay, Malesso, –35 m deep, 6/10/04; specimen deposited in GUAM-ML.

[\*Uronema\* cf. \*marinum\*](#) Womersley (new for Yap) found as epiphyte on an unidentified red alga, 3/27/05.

Another [unbranched minute green filament](#) was found on *Anadyomene* from Guam, but unlike *Ulothrix* and *Uronema* is gregarious; specimen deposited in GUAM-ML

## Nomenclature changes and corrections to the checklist

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*Acetabularia*. All three species listed as *Acetabularia* were transferred to a new genus *Parvocaulis* (Berger et al. 2003).

*Chondrophyllum cruciata* (Harvey) K.W. Nam is correctly named *Chondrophycus cruciatus* (Harvey) K.W. Nam. *Chondrophyllum* has not been recorded in Micronesia.

*Dicranema rosaliae* Setchell & Gardner has been virtually removed from the genus and family by Kraft (1977) and is hence not reported here.

*Dictyota patens* now included in *D. bartayresiana* (see De Clerck 2003).

*Dilophus radicans* Okamura from the Caroline Islands is considered a stage of *Padina* (Fan 1953); removed from our flora.

*Enteromorpha* spp. no longer considered distinct from *Ulva* (Hayden et al. 2003). A list

of the currently accepted names and authorities for Micronesian records is on the [Ulva](#) page.

*Galaxaura*: two of our species assigned to *Dichotomaria*: *Dichotomaria marginata* (Ellis & Solander) Lamarck [= *Galaxaura marginata* (Ellis & Solander) Lamouroux] and *Dichotomaria obtusata* (Ellis & Solander) Lamarck [= *G. obtusata* (Ellis & Solander) Lamouroux] (see Huisman et al. 2004a, Wang et al. 2005)

*Gelidiella pannosa* (Feldmann) Feldmann & Hamel and *G. adnata* Dawson transferred to *Parviphycus tenuissimus* (Feldmann & Hamel) Santelices and *Parviphycus adnatus* (E.Y. Dawson) Santelices, respectively (Santelices 2004).

*Izziella orientalis* (J. Agardh) Huisman & Schils restored from *Liagora orientalis* (Huisman & Schils 2002).

*Melanamansia glomerata* (C. Agardh) R.E. Norris from Guam re-identified as *Amansia rhodantha* (Harvey) J. Agardh; see N'Yeurt (2002). Status of other records of *Amansia* / *Melanamansia* in Micronesia not checked, but N'Yeurt found that most specimens from the Pacific that he examined lacked pseudo-pericentral cells and were therefore *Amansia*, although 'true' *Melanamansia* did exist in New Caledonia and the Hawaiian Islands.

*Monosporus pedicellatus* (J.E. Smith) Solier is the currently accepted synonym of *Neomonospora pedicellata* (Smith) Feldmann & Meslin.

*Myriogramme bombayensis* Børgesen changed to *Schizoseris bombayensis* (Børgesen) Womersley (see Womersley 2003: 112).

*Pseudochlorodesmis* removed from our flora. The only species reported from Micronesia, *P. furcellata*, is now recognized as a stage in the development of *Halimeda tuna* (see Abbott & Huisman 2004: 141).

*Pterocladia caloglossoides* changed to *Pteroclatiella caloglossoides* (Howe) Santelices (Santelices 1998).

Specimens listed as *Schizothrix mexicana* Gomont are now referred to *Symploca hydroides* (Harvey) Kützinger. The presence in Guam of *S. mexicana* (as currently conceived) is now doubtful.

*Stenopeltis gracilis* transferred from Polyidaceae to Liagoraceae (Huisman et al. 2004b).

*Stichtosiphonia*: Zuccarello & West (2006) argued for retaining these species in *Bostrichyia* until the lineages within that genus are better resolved.